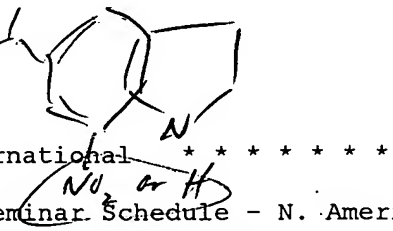
4.20.5

Connecting via Winsock to STN

10/635,046.

2/25/05

Structure search of intermediate



Welcome to STN International! Enter x:x

LOGINID:SSSPTAAJP1626

PASSWORD:
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* * * * * * * * * * Welcome to STN International * * * * * * * * * *

NEWS	1		Web Page URLs for STN Seminar Schedule - N. America
NEWS	2		"Ask CAS" for self-help around the clock
NEWS	3	SEP 01	New pricing for the Save Answers for SciFinder Wizard within STN Express with Discover!
NEWS	4	OCT 28	KOREAPAT now available on STN
NEWS	5	NOV 30	PHAR reloaded with additional data
NEWS	6	DEC 01	LISA now available on STN
NEWS	7	DEC 09	12 databases to be removed from STN on December 31, 2004
NEWS	8	DEC 15	MEDLINE update schedule for December 2004
NEWS	9	DEC 17	ELCOM reloaded; updating to resume; current-awareness alerts (SDIs) affected
NEWS	10	DEC 17	COMPUAB reloaded; updating to resume; current-awareness alerts (SDIs) affected
NEWS	11	DEC 17	SOLIDSTATE reloaded; updating to resume; current-awareness alerts (SDIs) affected
NEWS	12	DEC 17	CERAB reloaded; updating to resume; current-awareness alerts (SDIs) affected
NEWS	13	DEC 17	THREE NEW FIELDS ADDED TO IFIPAT/IFIUDB/IFICDB
NEWS	14	DEC 30	EPFULL: New patent full text database to be available on STN
NEWS	15	DEC 30	CAPLUS - PATENT COVERAGE EXPANDED
NEWS	16	JAN 03	No connect-hour charges in EPFULL during January and February 2005
NEWS	17	FEB 25	CA/CAPLUS - Russian Agency for Patents and Trademarks (ROSPATENT) added to list of core patent offices covered
NEWS	18	FEB 10	STN Patent Forums to be held in March 2005
NEWS	19	FEB 16	STN User Update to be held in conjunction with the 229th ACS National Meeting on March 13, 2005

NEWS EXPRESS JANUARY 10 CURRENT WINDOWS VERSION IS V7.01a, CURRENT MACINTOSH VERSION IS V6.0c(ENG) AND V6.0Jc(JP), AND CURRENT DISCOVER FILE IS DATED 10 JANUARY 2005

NEWS HOURS	STN Operating Hours Plus Help Desk Availability
NEWS INTER	General Internet Information
NEWS LOGIN	Welcome Banner and News Items
NEWS PHONE	Direct Dial and Telecommunication Network Access to STN
NEWS WWW	CAS World Wide Web Site (general information)

Enter NEWS followed by the item number or name to see news on that specific topic.

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 * * * * * * * * * * * * * * STN  Columbus  * * * * * * * * * * * * * * * *

FILE 'HOME' ENTERED AT 14:37:05 ON 25 FEB 2005

=> fil reg
COST IN U.S. DOLLARS                                    SINCE FILE      TOTAL
                                                           ENTRY    SESSION
FULL ESTIMATED COST                                         0.21       0.21

FILE 'REGISTRY' ENTERED AT 14:37:15 ON 25 FEB 2005
USE IS SUBJECT TO THE TERMS OF YOUR STN CUSTOMER AGREEMENT.
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Property values tagged with IC are from the ZIC/VINITI data file
provided by InfoChem.

STRUCTURE FILE UPDATES:   23 FEB 2005  HIGHEST RN 836595-43-8
DICTIONARY FILE UPDATES:  23 FEB 2005  HIGHEST RN 836595-43-8

TSCA INFORMATION NOW CURRENT THROUGH JANUARY 18, 2005

  Please note that search-term pricing does apply when
  conducting SmartSELECT searches.

Crossover limits have been increased.  See HELP CROSSOVER for details.

Experimental and calculated property data are now available. For more
information enter HELP PROP at an arrow prompt in the file or refer
to the file summary sheet on the web at:
http://www.cas.org/ONLINE/DBSS/registryss.html

=>
Uploading C:\Program Files\Stnexp\Queries\10635040b.str
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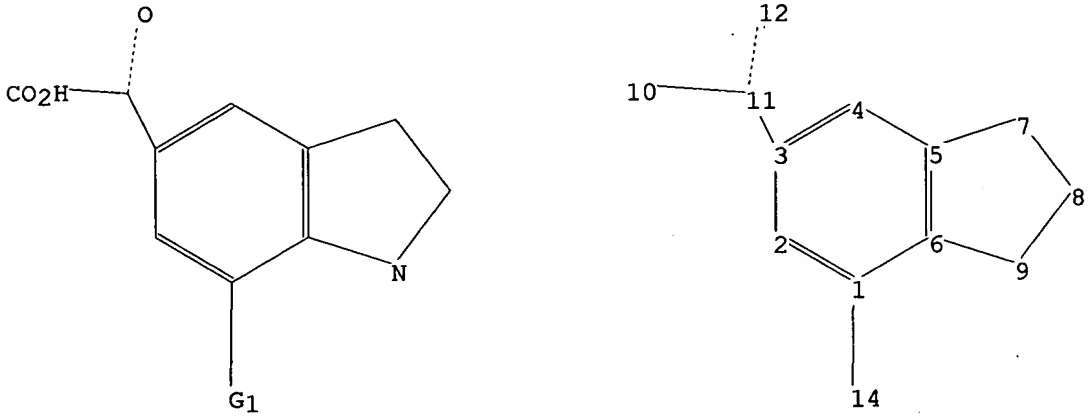


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10  11  12  14
ring nodes :
1  2  3  4  5  6  7  8  9
chain bonds :
1-14  3-11  10-11  11-12
ring bonds :
1-2  1-6  2-3  3-4  4-5  5-6  5-7  6-9  7-8  8-9
exact/norm bonds :
1-14  5-7  6-9  7-8  8-9  11-12
exact bonds :
3-11  10-11
normalized bonds :
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1-2 1-6 2-3 3-4 4-5 5-6

G1:H,NO2

Match level :
1:Atom 2:Atom 3:Atom 4:Atom 5:Atom 6:Atom 7:Atom 8:Atom 9:Atom 10:CLASS
11:CLASS 12:CLASS 14:CLASS

L1 STRUCTURE UPLOADED

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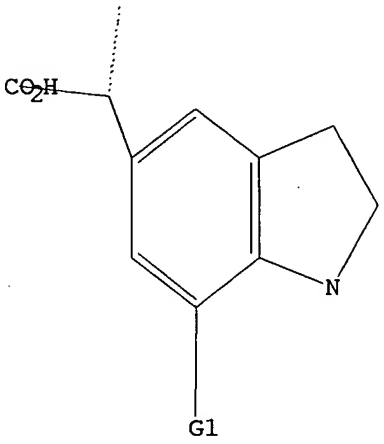
L1 HAS NO ANSWERS
L1 STR



G1 H,NO2

Structure attributes must be viewed using STN Express query preparation.

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100.0% PROCESSED 41 ITERATIONS 1 ANSWERS
SEARCH TIME: 00.00.01

FULL FILE PROJECTIONS: ONLINE **COMPLETE**
BATCH **COMPLETE**
PROJECTED ITERATIONS: 436 TO 1204
PROJECTED ANSWERS: 1 TO 80

L2 1 SEA SSS SAM L1

=> s L1 full
FULL SEARCH INITIATED 14:37:39 FILE 'REGISTRY'
FULL SCREEN SEARCH COMPLETED - 681 TO ITERATE

100.0% PROCESSED 681 ITERATIONS 10 ANSWERS
SEARCH TIME: 00.00.01

L3 10 SEA SSS FUL L1

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                                                           ENTRY    SESSION
FULL ESTIMATED COST                                       161.33     161.54

FILE 'CAPLUS' ENTERED AT 14:37:43 ON 25 FEB 2005
USE IS SUBJECT TO THE TERMS OF YOUR STN CUSTOMER AGREEMENT.
PLEASE SEE "HELP USAGETERMS" FOR DETAILS.
COPYRIGHT (C) 2005 AMERICAN CHEMICAL SOCIETY (ACS)
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FILE COVERS 1907 - 25 Feb 2005  VOL 142 ISS 10
FILE LAST UPDATED: 24 Feb 2005  (20050224/ED)

  This file contains CAS Registry Numbers for easy and accurate
  substance identification.

=> s L3
L4            6 L3

=> d ibib abs hitstr 1-6

L4   ANSWER 1 OF 6  CAPLUS  COPYRIGHT 2005 ACS on STN
ACCESSION NUMBER:         2003:300752  CAPLUS
DOCUMENT NUMBER:          138:294850
TITLE:                    Silver halide photographic emulsion and photographic
                          material containing amine compound sensitizer
INVENTOR(S):              Yamada, Kozaburo; Maeda, Hideki; Asanuma, Naoki
PATENT ASSIGNEE(S):       Fuji Photo Film Co., Ltd., Japan
SOURCE:                   Jpn. Kokai Tokkyo Koho, 73 pp.
                          CODEN: JKXXAF
DOCUMENT TYPE:            Patent
LANGUAGE:                 Japanese
FAMILY ACC. NUM. COUNT:   5
PATENT INFORMATION:

     PATENT NO.           KIND   DATE        APPLICATION NO.          DATE
     ---------------      ----   --------    ---------------------    --------
     JP 2003114488         A2    20030418    JP 2002-192374           20020701
PRIORITY APPLN. INFO.:                       JP 2001-234075       A   20010801
OTHER SOURCE(S):          MARPAT 138:294850
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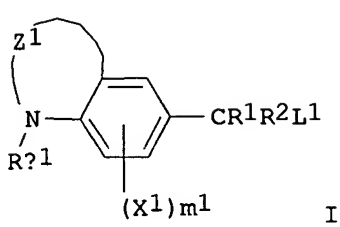

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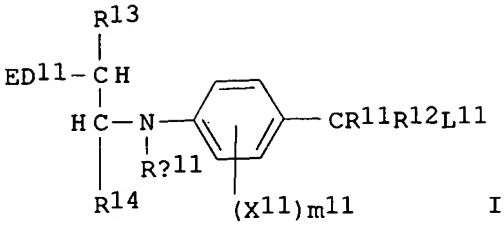


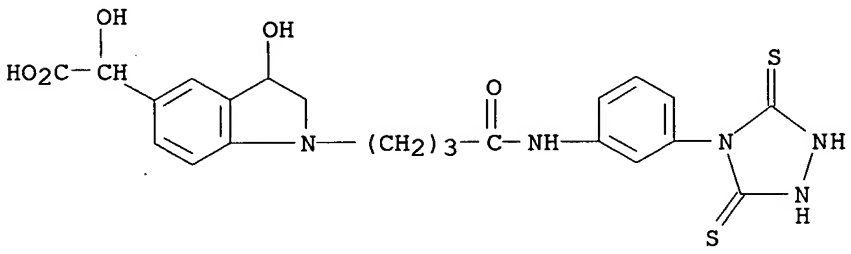
II

AB The emulsion and the material contain ≥1 selected from I, II, and R23CH:C(R22)C(Ra):C(Rb)N(RN21)CHR21L21 (III) (Z1 = atoms to form 6-membered ring; R1-2, RN1, R11-14, RN11, R21-23, RN21, Ra, Rb = H, substituent; X1, X11 = substituent; m1, m11, = 0-3; L1, L11, L21 = releasing group; DE11 = electron-donating group; 2 of RN11, R12-14, X11, and ED11 may form a ring). The photog. emulsion is chemical sensitized with ≥1 selected from I, II, and III. The material shows high sensitivity, low fog, and good storage stability even under exhaust gas.

IT **507254-78-6**
RL: TEM (Technical or engineered material use); USES (Uses)
(photog. emulsion containing amine compound sensitizer)

RN 507254-78-6 CAPLUS

CN 1H-Indole-5-acetic acid, 1-[4-[[3-(3,5-dithioxo-1,2,4-triazolidin-4-yl)phenyl]amino]-4-oxobutyl]-2,3-dihydro-α,3-dihydroxy-, monosodium salt (9CI) (CA INDEX NAME)



● Na

L4 ANSWER 2 OF 6 CAPLUS COPYRIGHT 2005 ACS on STN

ACCESSION NUMBER: 2002:615568 CAPLUS

DOCUMENT NUMBER: 137:169415

TITLE: Preparation of indoline derivatives as acyl-coenzyme A:cholesterol acyltransferase inhibitors

INVENTOR(S): Tomori, Hiroshi; Miyamoto, Hiroshi; Fukuhara, Hiroshi; Sonobe, Ryuichi; Miura, Motoko; Shimura, Kazuhiko; Fujimoto, Katsuhiko; Wakayama, Masakazu

PATENT ASSIGNEE(S): Sankyo Company, Limited, Japan

SOURCE: PCT Int. Appl., 67 pp.
CODEN: PIXXD2

DOCUMENT TYPE: Patent

LANGUAGE: Japanese

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE

WO 2002062758	A1	20020815	WO 2002-JP804		20020201
W: AU, BR, CA, CN, CO, CZ, HU, ID, IL, IN, KR, MX, NO, NZ, PH, PL, RU, SG, SK, US, VN, ZA					
RW: AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR					
CA 2437134	AA	20020815	CA 2002-2437134		20020201
JP 2002302482	A2	20021018	JP 2002-24877		20020201
EP 1364942	A1	20031126	EP 2002-710441		20020201
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, FI, CY, TR					
US 2004058979	A1	20040325	US 2003-635040		20030731
NO 2003003432	A	20031001	NO 2003-3432		20030801
PRIORITY APPLN. INFO.:			JP 2001-26374	A	20010202
			WO 2002-JP804	W	20020201

OTHER SOURCE(S): CASREACT 137:169415; MARPAT 137:169415

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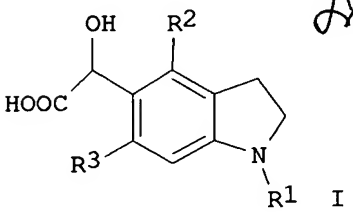

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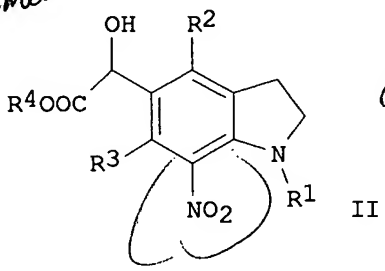


II

AB Novel intermediates such as I and II useful for synthesizing an indoline derivative having excellent acyl-CoA:cholesterol acyltransferase (ACAT) inhibitory activity are prepared (R1 = an amino-protecting group; R2 and R3 = lower alkyl; and R4 = H or a carboxy-protecting group). Reaction of 1-acetyl-4,6-dimethylindoline with glyoxylic acid, hydrogenolysis with Pd-C and esterification with saturated HCl-EtOH solution, followed by nitration, hydrogenation, reaction with pivaloyl chloride, deacetylation, reaction with octyl bromide and base hydrolysis gave N-(5-carboxymethyl-4,6-dimethyl-1-octylindolin-7-yl)-2,2-dimethylpropanamide sulfuric acid salt.

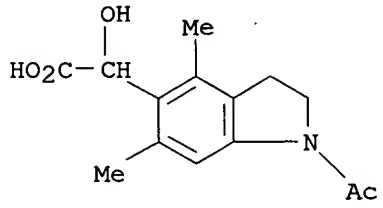
IT **447409-33-8P**

RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)

(hydrogenolysis of; indoline derivative useful for ACAT inhibitor and their preparation)

RN 447409-33-8 CAPLUS

CN 1H-Indole-5-acetic acid, 1-acetyl-2,3-dihydro-α-hydroxy-4,6-dimethyl- (9CI) (CA INDEX NAME)



REFERENCE COUNT: 8 THERE ARE 8 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L4 ANSWER 3 OF 6 CAPLUS COPYRIGHT 2005 ACS on STN
ACCESSION NUMBER: 2001:833276 CAPLUS
DOCUMENT NUMBER: 135:371989
TITLE: Preparation of novel multicyclic compounds and their amino acid derivatives as inhibitors of enzymes such as poly(ADP-ribose) polymerase
INVENTOR(S): Ator, Mark A.; Bihovsky, Ron; Chatterjee, Sankar; Dunn, Derek; Hudkins, Robert L.
PATENT ASSIGNEE(S): Cephalon, Inc., USA
SOURCE: PCT Int. Appl., 209 pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2001085686	A2	20011115	WO 2001-US14996	20010509
WO 2001085686	A3	20020530		
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM				
RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG				
US 2002028815	A1	20020307	US 2001-850858	20010508
CA 2409758	AA	20011115	CA 2001-2409758	20010509
EP 1294725	A2	20030326	EP 2001-935215	20010509
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR				
BR 2001010993	A	20030624	BR 2001-10993	20010509
JP 2004501097	T2	20040115	JP 2001-582287	20010509
NZ 522539	A	20040528	NZ 2001-522539	20010509
ZA 2002009065	A	20040209	ZA 2002-9065	20021107
NO 2002005376	A	20030108	NO 2002-5376	20021108
BG 107355	A	20030731	BG 2002-107355	20021205

PRIORITY APPLN. INFO.:

US 2000-202947P	P	20000509
US 2001-850858	A	20010508
WO 2001-US14996	W	20010509

OTHER SOURCE(S): MARPAT 135:371989
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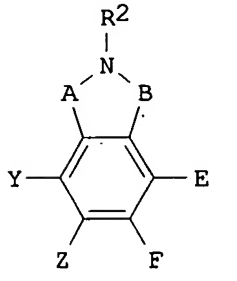

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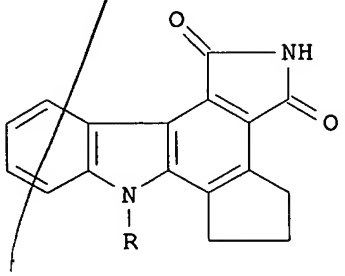


II

AB The title compds. such as penta[a]pyrrolo[3,4-c]carbazole, hexano[a]pyrrolo[3,4-c]carbazole, pyrrolo[3,4-c]carbazole, and furano[a-3,2]pyrrolo[3,4-c]carbazole derivs. [I; A, B = CO, CH(OR3),

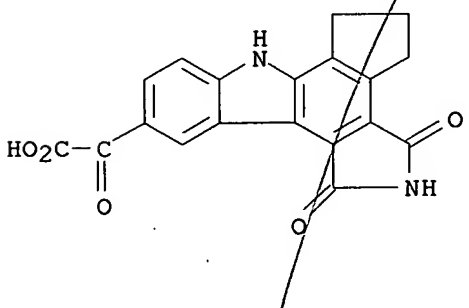
CH(SR3), CH2, CHR3, CHR3CHR4, CR3R4, COR3, N:CR3, SO, SO2 (wherein R3, R4 = H, optionally substituted lower alkyl or aryl); Y and Z, together with the carbon to which they are attached, form an (un)substituted mono- or bicyclic aryl or bicyclic heteroaryl, or C3-5 heteroaryl; E, F = lower alkyl or E and F, together with the carbon to which they are attached, form an (un)substituted C4-7 cycloalkyl, C3-6 heterocycloalkyl or heteroaryl, or an (un)substituted heterocycloalkyl endocyclically comprising at least one group G (wherein G = O, S, SO, SO2, NR2, NR2CO, NR2CONR3, NR2SO2, NR3SO2; R2 = H, optionally substituted lower alkyl or alkanoyl, CHO, acetyl, lower alkylsulfonyl, arylsulfonyl, an optionally protected amino acid)] are prepared These compds. are effective in the treatment of diseases or disease states related to the activity of enzymes such as poly(ADP-ribose) polymerase (PARP), vascular endothelial growth factor receptor kinase (VEGFR2 kinase), and MLK3 kinase (a member of the mixed lineage kinase family), including, for example, traumatic central nervous system injuries, neurodegenerative diseases (in particular Parkinson's, Huntington's, or Alzheimer's disease), inflammation, cerebral or cardiac ischemia, endotoxic shock, diabetes, or cellular proliferative disorders (in particular cancer, solid tumors, diabetic retinopathy, intraocular neovascular syndromes, macular degeneration, rheumatoid arthritis, psoriasis, or endometriosis). They also suppress the formation of blood vessels (angiogenesis) and prevent neuronal degradation associated with

traumatic central nervous system injuries. Thus, 2H-1,3,4,5,6,7-hexahydrocyclopenta[a]pyrrolo[3,4-c]carbazole-1,3-dione (II; R = H) (preparation given) was treated with NaH in DMF at room temperature for 30 min and

condensed with a stirred mixture of Boc-Lys(Boc)-OH dicyclohexylamine salt, TBTU, N-Methylmorpholine, and DMF at room temperature for 1 h, followed by treatment of the product with 4 N HCl in dioxane to give II (R = H-Lys). II (R = H-Lys) showed IC50 of μg/mL against of 22 nM against PARP.

IT **374069-73-5P**
RL: BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)
(preparation of novel multicyclic compds. and their amino acid derivs. as inhibitors of enzymes for treatment of diseases related to enzymes such as poly(ADP-ribose) polymerase, VEGFR2 kinase, and MLK3 kinase)

RN 374069-73-5 CAPLUS
CN 1H-Cyclopenta[a]pyrrolo[3,4-c]carbazole-10-acetic acid, 2,3,4,5,6,7-hexahydro-α,1,3-trioxo- (9CI) (CA INDEX NAME)



L4 ANSWER 4 OF 6 CAPLUS COPYRIGHT 2005 ACS on STN
ACCESSION NUMBER: 2001:208378 CAPLUS
DOCUMENT NUMBER: 134:258984
TITLE: Fluorescent maleimides and uses thereof
INVENTOR(S): Kunimoto, Kazuhiko; Otani, Junji; Kodama, Kunihiko; Yamamoto, Hiroshi; Verhoustraeten, Patrick; Megert, Sonia; Braig, Adalbert
PATENT ASSIGNEE(S): Ciba Specialty Chemicals Holding Inc., Switz.
SOURCE: PCT Int. Appl., 93 pp.

CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2001019939	A1	20010322	WO 2000-EP8751	20000907
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RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG				
US 6258954	B1	20010710	US 2000-643594	20000822
CA 2382149	AA	20010322	CA 2000-2382149	20000907
BR 2000014089	A	20020521	BR 2000-14089	20000907
EP 1216285	A1	20020626	EP 2000-965940	20000907
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JP 2003509441	T2	20030311	JP 2001-523711	20000907
US 2002065422	A1	20020530	US 2001-861950	20010521
US 6508957	B2	20030121		
US 2003189191	A1	20031009	US 2002-268493	20021010

PRIORITY APPLN. INFO.:

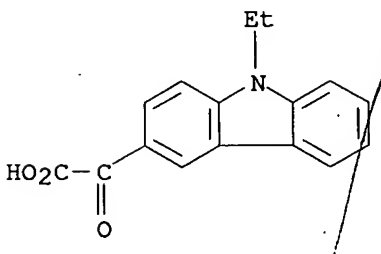
EP 1999-810826	A	19990916
US 2000-643594	A3	20000822
WO 2000-EP8751	W	20000907
US 2001-861950	A3	20010521

OTHER SOURCE(S): MARPAT 134:258984

AB Maleimide derivs. and methods for producing them by reacting maleic anhydride derivative and an amine are described. Use of maleimide derivs. as UV fluorescent materials for void detection and for the preparation of scintillator films, luminescent solar energy collectors, organic electroluminescent devices, printing inks, non-impact printing inks, electrophotog. toners, color filters, and colored high mol. organic materials is also described.

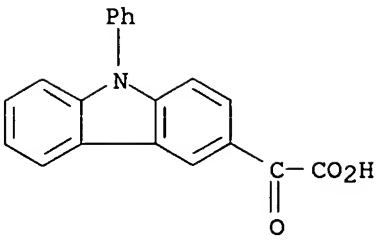
IT **330945-32-9**
RL: RCT (Reactant); RACT (Reactant or reagent)
(maleimide derivs. and their preparation and use)

RN 330945-32-9 CAPLUS
CN 9H-Carbazole-3-acetic acid, 9-ethyl-α-oxo- (9CI) (CA INDEX NAME)

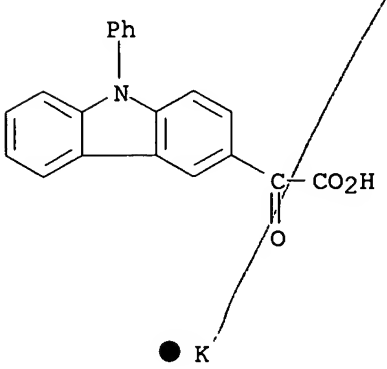


IT **330945-35-2P 330945-36-3P**
RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)
(maleimide derivs. and their preparation and use)

RN 330945-35-2 CAPLUS
CN 9H-Carbazole-3-acetic acid, α-oxo-9-phenyl- (9CI) (CA INDEX NAME)



RN 330945-36-3 CAPLUS
CN 9H-Carbazole-3-acetic acid, α-oxo-9-phenyl-, potassium salt (9CI) (CA INDEX NAME)



REFERENCE COUNT: 6 THERE ARE 6 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L4 ANSWER 5 OF 6 CAPLUS COPYRIGHT 2005 ACS on STN
ACCESSION NUMBER: 1992:59352 CAPLUS
DOCUMENT NUMBER: 116:59352
TITLE: Preparation of oxopyrrolo[2,3-b]indoleacetates as cholinergic agents for treatment of memory dysfunction
INVENTOR(S): Flanagan, Denise M.
PATENT ASSIGNEE(S): Hoechst-Roussel Pharmaceuticals, Inc., USA
SOURCE: Eur. Pat. Appl., 23 pp.
CODEN: EPXXDW
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
EP 457318	A1	19911121	EP 1991-107942	19910516
EP 457318	B1	19960814		
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE				
AU 9176182	A1	19911121	AU 1991-76182	19910429
AU 634380	B2	19930218		
FI 9102363	A	19911118	FI 1991-2363	19910515
FI 96689	B	19960430		
FI 96689	C	19960812		
NO 9101892	A	19911118	NO 1991-1892	19910515
NO 177710	B	19950731		
NO 177710	C	19951108		
CZ 280922	B6	19960515	CZ 1991-1429	19910515
CA 2042737	AA	19911118	CA 1991-2042737	19910516

ZA 9103711	A	19920129	ZA 1991-3711		19910516
JP 04226989	A2	19920817	JP 1991-139418		19910516
JP 08026024	B4	19960313			
IL 98162	A1	19941229	IL 1991-98162		19910516
AT 141273	E	19960815	AT 1991-107942		19910516
ES 2094768	T3	19970201	ES 1991-107942		19910516
KR 215615	B1	19990816	KR 1991-7922		19910516
HU 61310	A2	19921228	HU 1991-1658		19910517
HU 210179	B	19950228			
US 5173497	A	19921222	US 1991-765795		19910926
US 5264587	A	19931123	US 1992-927042		19920810
PRIORITY APPLN. INFO.:			US 1990-524627	A	19900517
			US 1991-765795	A3	19910926

OTHER SOURCE(S): MARPAT 116:59352

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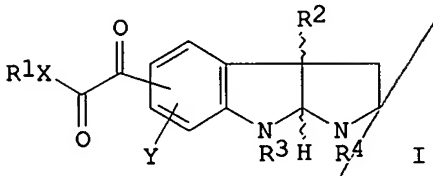


I

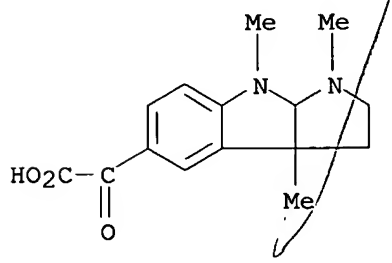
AB Title compds. [I; X = NH, O, alkylimino, arylalkylimino; R1 = H, (cyclo)alkyl, aryl, arylalkyl, haloalkyl, thienyl, furyl, pyrrolyl, pyridinyl, piperidinyl, piperazinyl, pyrrolidinyl, etc.; R2 = H, alkyl; R3 = alkyl, arylalkyl; R4 = H, alkyl, alkenyl, alkynyl, arylalkyl, CHO, alkylcarbonyl, alkoxycarbonyl, arylalkylcarbonyl; Y = H, halo, alkoxy] were prepared Thus, 1,2,3,3a,8,8a-hexahydro-1,3a,8-trimethylpyrrolo[2,3-b]indole was treated with pyridinium hydrobromide perbromide to give the 5-bromo derivative This in Et2O was treated with tetramethylethylenediamine, sec-BuLi, and EtO2CCO2Et to give the 5-acylated product, which was treated with PhCH2CH2OH and Ti(OEt)4 to give phenylethyl 1,2,3,3a,8,8a-hexahydro-α-oxo-1,3a,8-trimethyl-5-pyrrolo[2,3-b]indoleacetate. The latter at 0.3 mg/kg s.c. in mice gave 36% reversal of scopolamine-induced memory deficit, vs. 13% reversal for both tacrine at 0.63 mg/kg and pilocarpine at 5.0 mg/kg.

IT **138681-89-7P**

RL: SPN (Synthetic preparation); PREP (Preparation)
(preparation of, as cholinergic agent for treatment of memory dysfunction)

RN 138681-89-7 CAPLUS

CN Pyrrolo[2,3-b]indole-5-acetic acid, 1,2,3,3a,8,8a-hexahydro-1,3a,8-trimethyl-α-oxo- (9CI) (CA INDEX NAME)



L4 ANSWER 6 OF 6 CAPLUS COPYRIGHT 2005 ACS on STN

ACCESSION NUMBER: 1985:595924 CAPLUS

DOCUMENT NUMBER: 103:195924

TITLE: Orally absorbable cephalosporin antibiotics. 2.

Structure-activity studies of bicyclic glycine derivatives of 7-aminodeacetoxycephalosporanic acid

AUTHOR(S): Kukolja, Stjepan; Draheim, Susan E.; Graves, Bernard J.; Hunden, David C.; Pfeil, Janice L.; Cooper, Robin D. G.; Ott, John L.; Counter, Fred T.

CORPORATE SOURCE: Lilly Res. Lab., Eli Lilly and Co., Indianapolis, IN, 46285, USA

SOURCE: Journal of Medicinal Chemistry (1985), 28(12), 1896-903
CODEN: JMCMAR; ISSN: 0022-2623

DOCUMENT TYPE: Journal
LANGUAGE: English
OTHER SOURCE(S): CASREACT 103:195924

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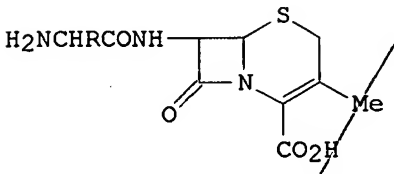
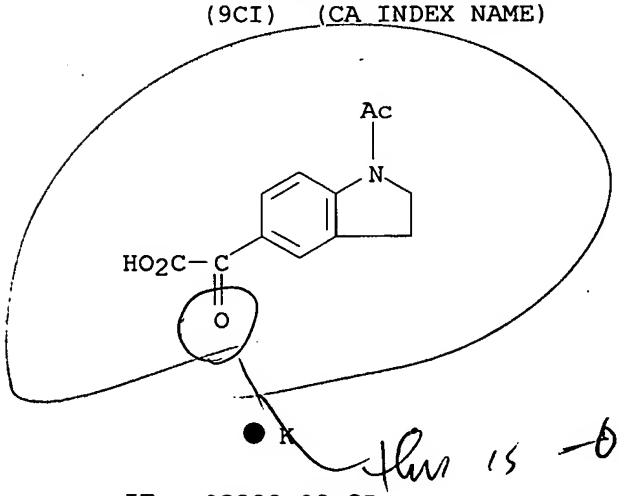


I

AB The cephalosporins I (R = 1-acetyl-5-indolyl, 4-, 5-benzothienyl, 3-methyl-7-benzothienyl, 2-thieno[3,2-b]thienyl, 2-thieno[2,3-b]thienyl) are prepared (R)-I have good activity against Gram-pos. bacteria. Against Streptococcus pneumonia infections I (R = 1-acetyl-5-indolyl) displayed better mouse protection, both orally and s.c., than cephalexin.

IT **98820-69-0P**
RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)
(preparation and neutralization of)
RN 98820-69-0 CAPLUS
CN 1H-Indole-5-acetic acid, 1-acetyl-2,3-dihydro-α-oxo-, potassium salt (9CI) (CA INDEX NAME)



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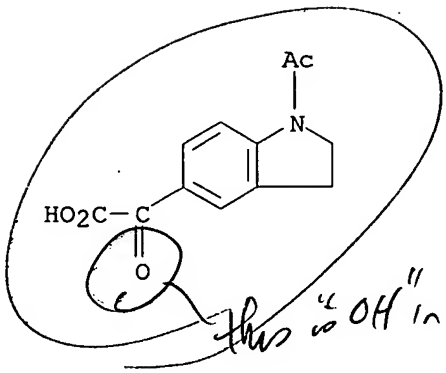
IT **98800-02-3P**
RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)
(preparation and reaction of, with methoxyamine)
RN 98800-02-3 CAPLUS
CN 1H-Indole-5-acetic acid, 1-acetyl-2,3-dihydro-α-oxo- (9CI) (CA INDEX NAME)



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COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	31.89	193.43

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)	SINCE FILE ENTRY	TOTAL SESSION
CA SUBSCRIBER PRICE	-4.38	-4.38

FILE 'STNGUIDE' ENTERED AT 14:40:56 ON 25 FEB 2005

FILE CONTAINS CURRENT INFORMATION.
LAST RELOADED: Feb 18, 2005 (20050218/UP).

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COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	0.30	193.73

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)	SINCE FILE ENTRY	TOTAL SESSION
CA SUBSCRIBER PRICE	0.00	-4.38

STN INTERNATIONAL LOGOFF AT 14:43:45 ON 25 FEB 2005